WHAT IS CLAIMED IS:

1	1. A system for recording media content and for generating media
2	representations, the system comprising:
3	an extraction module for extracting of media content from a media receiver;
4	an output device for generating a media representation of media content extracted
5	from the media receiver, the output device being coupled to the extraction
6	module; and
7	a media transfer interface for permitting communication between the output
8	device and the media receiver, the media transfer interface being coupled
9	to the media receiver.
1	2. The system of claim 1, further comprising media content recognition software
2	for recognizing features in media content.
1	3. The system of claim 2, wherein the media content recognition software further
2	comprises speech recognition software.
1	4. The system of claim 2, wherein the media content recognition software further
2	comprises optical character recognition software.
i	5. The system of claim 2, wherein the media content recognition software further
2	comprises face detection software.

1 6: The system of claim 2, wherein the media content recognition software further 2 comprises speaker detection software. 1 7. The system of claim 2, wherein the media content recognition software further 2 comprises keyframe selection software. 8. The system of claim 2, wherein the media content recognition software further 1 2 comprises face recognition software. 1 9. The system of claim 1, further comprising processing logic for controlling 2 display of a user interface, wherein the user interface permits the user to control actions of the output device. 3 10. The system of claim 1, further comprising processing logic for controlling the 1 2 generation of a media representation. 1 11. The system of claim 1, further comprising a storage medium for storing 2 media representations in electronic format. 12. The system of claim 1, wherein the media representation generated by the 1 2 output device is stored on a digital storage medium.

- 1 13. The system of claim 1, further comprising one or more user interaction 2 devices that permit the user to interact with the printer and control the printer's actions, 3 wherein the user interaction devices are external to the printer. 1 14. The system of claim 1, wherein the media representation is generated in paper 2 format that includes at least one user-selectable identifier allowing a user to access and 3 control media content. 1 15. The system of claim 14, wherein the at least one user-selectable identifier 2 comprises at least one barcode printed on the media representation. 1 16. The system of claim 15, wherein the at least one barcode further comprises at 2 least one record barcode that can be scanned to record an associated media program. 1 17. The system of claim 15, wherein the at least one barcode further comprises at 2 least play barcode that can be scanned to play an associated media program. 1 18. The system of claim 14, wherein the at least one user-selectable identifier 2 comprises at least one numerical identifier which the user can type into an external device
- 1 19. The system of claim 1, wherein the media representation is a document 2 displaying scheduling information for media programs.

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to access and control media content.

1	20. A method for recording media content and for generating media
2	representations, the method comprising:
3	extracting media content from a media receiver;
4	generating a media representation of the media content; and
5	communicating with a media receiver through a media transfer interface, wherein
6	an output device communicates with the media receiver.
1	21. The method of claim 20, further comprising the output device using media
2	content recognition techniques to recognize media content extracted from the media
3	receiver.
1	22. The method of claim 20, further comprising the output device sending
2	commands to the media receiver to control actions of the media receiver.
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1	23. The method of claim 20, further comprising scheduling actions of the media
2	receiver to occur at predefined times.
1	24. The method of claim 23, wherein scheduling actions further comprises
2	scheduling generation of a media representation, wherein the generation is scheduled to
3	occur at user-defined time periods

- 25. The method of claim 24, wherein scheduling generation of a media representation further comprises entering scheduling preferences into a profile that controls actions of the output device which controls actions of the media receiver.
- 26. The method of claim 20, wherein generating a media representation further comprises generating a schedule representation of a list of media programs, wherein the schedule representation includes specific information about each media program.
- 27. The method of claim 26, wherein generating a schedule representation of a
 list of media programs further comprises formatting the schedule representation based on
 a pre-defined user preferences profile.
- 28. The method of claim 26, wherein generating a schedule representation of a list of media programs further comprises updating the generated schedule representation to include current schedule information.
- 29. The method of claim 26, wherein generating a schedule representation of a
 list of media programs further comprises:
- setting a media display to a channel that includes a schedule display showing
 media program scheduling information; and

- performing optical character recognition on the schedule display of the media

 display to read schedule information content and generate a representation

 of the schedule display.
- 30. The method of claim 26, wherein generating a schedule representation of a list of media programs further comprises searching for specific user-defined features within the media content and displaying search results.
- 31. The method of claim 20, further comprising monitoring commands from an external interface, wherein the commands include a request to generate a media program schedule representation with user-defined parameters.
- 32. The method of claim 20, further comprising monitoring commands from an external device, wherein the commands include a request to update an internal table that stores the association between user-selectable identifiers printed on the media representation and the actions that can be executed on the output device in response to those user-selectable identifiers.
- 33. The method of claim 20, further comprising recording media content and storing the media content on a storage medium, wherein the stored media content can be played in response to commands received from an external device interface.

2	gateway interface for controlling the schedule for recording and playing of media
3	content.
1	35. The method of claim 20 wherein generating a media representation further
2	comprises printing media schedule information in a paper-based format.
1	36. The method of claim 35, further comprising selecting a user-selectable
2	identifier on the paper-based format of the media schedule information to record the
3	associated media program.
1	37. The method of claim 35, further comprising selecting a user-selectable
2	identifier on the paper-based format of the media schedule information to play the
3	associated media program.
1	38. The method of claim 26, further comprising updating a database that stores
2	current schedule information and associated user-selectable identifier information.
1	39. The method of claim 26, further comprising advancing a schedule display,
2	wherein advancing the schedule display comprises:
3	capturing a first frame of the current schedule display on a schedule channel;
4	sending a command to the media receiver to advance the schedule display on the
5	schedule channel;
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34. The method of claim 20, further comprising a web server with a common

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6	capturing a second frame of the advanced schedule display on the schedule
7	channel; and
8	comparing the first frame to the second frame to determine if the schedule has
9	changed and the schedule display should be advanced.